

Page 1 of 7



RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/691,763A

DATE: 03/22/2001 TIME: 16:22:00

ENTERED

Output Set: N:\CRF3\03222001\1691763A.raw

Input Set : A:\E03557003NEW.TXT

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 6 <120> TITLE OF INVENTION: TMS1 Compositions and Methods of Use
 9 <130> FILE REFERENCE: E0355/7003/ERG/MAT
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12 <141> CURRENT FILING DATE: 2000-10-18
14 <150> PRIOR APPLICATION NUMBER: US 60/159,975
15 <151> PRIOR FILING DATE: 1999-10-18
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                                                                         780
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PECENED 20 2001 PET NEOHOELD

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Input Set : A:\E03557003NEW.TXT
Output Set: N:\CRF3\03222001\I691763A.raw

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71 tccctaaagg gtctaacctt accattatag ataacagcct gtgacccagg tccgaa	aggtt 2700
72 aaaagaggca tgtaccaaag ggcgcaaact ggtgggcagc tctgtccaag ccatt	tagaa 2760
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89 1 5 10	
91 gag aac ctg acc gcc gag gag ctc aag aag ttc aag ctg aag ctg	
92 Glu Asn Leu Thr Ala Glu Glu Leu Lys Lys Phe Lys Leu Lys Leu !	Leu
93 15 20 25	
95 tog gtg ccg ctg cgc gag ggc tac ggg cgc atc ccg cgg ggc gcg	
96 Ser Val Pro Leu Arg Glu Gly Tyr Gly Arg Ile Pro Arg Gly Ala	Leu
97 30 35 40	
99 ctg tcc atg gac gcc ttg gac ctc acc gac aag ctg gtc agc ttc	tac 254
100 Leu Ser Met Asp Ala Leu Asp Leu Thr Asp Lys Leu Val Ser Phe	
101 45 50 55	60
103 ctg gag acc tac ggc gcc gag ctc acc gct aac gtg ctg cgc gac	atg 302
104 Leu Glu Thr Tyr Gly Ala Glu Leu Thr Ala Asn Val Leu Arg Asp	Met
105 65 70 75	
107 ggc ctg cag gag atg gcc ggg cag ctg cag gcg gcc acg cac cag	ggc 350
108 Gly Leu Gln Glu Met Ala Gly Gln Leu Gln Ala Ala Thr His Gln	Gly
109 80 85 90	
111 tet gga gee geg eea get ggg ate eag gee eet eet eag teg gea	gcc 398
112 Ser Gly Ala Ala Pro Ala Gly Ile Gln Ala Pro Pro Gln Ser Ala	Ala
113 95 100 105	
115 aag cca ggc ctg cac ttt ata gac cag cac cgg gct gcg ctt atc	gcg 446
116 Lys Pro Gly Leu His Phe Ile Asp Gln His Arg Ala Ala Leu Ile	Ala
117 110 115 120	
119 agg gtc aca aac gtt gag tgg ctg ctg gat gct ctg tac ggg aag	gtc 494

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124						Tyr											
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127	age	aaq	atq	cqq	aaq	ctc	ttc	agt	ttc	aca	cca	qcc	tgg	aac	tgg	acc	590
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131	tgc	aaq	gac	ttg	ctc	ctc	cag	qcc	cta	agg	gag	tcc	caq	tcc	tac	ctg	638
132						Leu											
133	_	-	175					180		_			185		_		
135	gtg	gag	gac	ctg	gag	cgg	agc	tga	ggc	tcct	tcc (cage	aaca	ct c	cggt	cagcc	692
136	Val	Glu	Asp	Leu	Glu	Arg	ser	*									
137		190					195										
139	cct	ggca	atc o	ccac	caaat	tc at	tect	gaato	e tga	atct	ttt	ata	caca	ata ·	tacga	aaaagc	752
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152	Arg	G1u	Gly	Tyr	G1y	Arg	Ile	Pro	Arg	Gly	Ala	Leu	Leu	ser	Met	Asp	
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155		50					55					60					
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157	65					70					75					80	
158	Met	Ala	Gly	G1n	Leu	Gln	A1a	Ala	Thr	His	G1n	Gly	ser	Gly	Ala	Ala	
159					85					90					95		
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161				100					105					110			
162	His	Phe	11e	Asp	G1n	His	Arg	Ala	Ala	Leu	Ile	A1a	Arg	Val	Thr	Asn	
163			115					120					125				
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167	145					150					155					160	
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169					165					170					175		
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RAW SEQUENCE LISTING
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Input Set : A:\E03557003NEW.TXT
Output Set: N:\CRF3\03222001\I691763A.raw

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178	<213> ORGANISM: Homo Sapiens	
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183	gggtgagegg eggeagegge eggggateet ggageeatgg ggegegege egaegeeate	180
184	ctggatgcgc tggagaacct gaccgccgag gagctcaaga agttcaagct gaagctgctg	240
185	toggtgoogo tgogogaggg etaogggogo atocogoggg gogogotgot gtocatggao	300
186	gccttggacc tcaccgacaa gctggtcagc ttctacctgg agacctacgg cgccgagctc	360
187	accyctaacy tyctycycya catygyccty cagyayatyy ccygycayct ycagycygcc	420
188	acgcaccagg gtgagccgcc cccgttcccc tccaccccgt ctttcccctc cacccacacc	480
189	agogottaco cogogggeto ttoogottto tgttootoot accoctaaac aaagotgoto	540
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208	ctg acc gcc gag gag ctc aag aag ttc aag ctg aag ctg tcg gtg	156
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212	ccg ctg cgc gag ggc tac ggg cgc atc ccg cgg ggc gcg ctg ctg tcc	204
213	Pro Leu Arg Glu Gly Tyr Gly Arg Ile Pro Arg Gly Ala Leu Leu Ser	
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217 218	Met Asp Ala Leu Asp Leu Thr Asp Lys Leu Val Ser Phe Tyr Leu Glu	
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RAW SEQUENCE LISTING PATENT APPLICATION: US/09/691,763A TIME: 16:22:00 Input Set : A:\E03557003NEW.TXT Output Set: N:\CRF3\03222001\1691763A.raw 25 239 Arg Glu Gly Tyr Gly Arg Ile Pro Arg Gly Ala Leu Leu Ser Met Asp 35 240 241 Ala Leu Asp Leu Thr Asp Lys Leu Val Ser Phe Tyr Leu Glu Thr Tyr 242 50 55 60 243 Gly Ala Glu Leu Thr Ala Asn Val Leu Arg Asp Met Gly Leu Gln Glu 244 65 70 75 80 70 245 Met Ala Gly Gln Leu Gln Ala Ala Thr His Gln 246 85 248 <210> SEQ ID NO: 7 249 <211> LENGTH: 57 250 <212> TYPE: DNA 251 <213> ORGANISM: Homo Sapiens 253 <220> FEATURE: 254 <221> NAME/KEY: CDS 255 <222> LOCATION: (3)...(56) 257 <400> SEQUENCE: 7 258 gc tct gga gcc gcg cca gct ggg atc cag gcc cct cct cag tcg gca Ser Gly Ala Ala Pro Ala Gly Ile Gln Ala Pro Pro Gln Ser Ala 260 262 gcc aag cca g 263 Ala Lys Pro 267 <210> SEQ ID NO: 8 268 <211> LENGTH: 18 269 <212> TYPE: PRT 270 <213> ORGANISM: Homo Sapiens 272 <400> SEQUENCE: 8 273 Ser Gly Ala Ala Pro Ala Gly Ile Gln Ala Pro Pro Gln Ser Ala Ala 274 1 5 10 275 Lys Pro 278 <210> SEQ ID NO: 9 279 <211> LENGTH: 356 280 <212> TYPE: DNA 281 <213> ORGANISM: Homo Sapiens 283 <220> FEATURE: 284 <221> NAME/KEY: CDS 285 <222> LOCATION: (3)...(258) 287 <400> SEQUENCE: 9 288 gc ctg cac ttt ata gac cag cac cgg gct gcg ctt atc gcg agg gtc 289 Leu His Phe Ile Asp Gln His Arg Ala Ala Leu Ile Ala Arg Val 290 5 10 292 aca aac gtt gag tgg ctg ctg gat gct ctg tac ggg aag gtc ctg acg 293 Thr Asn Val Glu Trp Leu Leu Asp Ala Leu Tyr Gly Lys Val Leu Thr 294 20 25 30 95 gat gag cag tac cag gca gtg cgg gcc gag ccc acc aac cca agc aag 297 Asp Glu Gln Tyr Gln Ala Val Arg Ala Glu Pro Thr Asn Pro Ser Lys 298 35 40 45 143 300 atg cgg aag ctc ttc agt ttc aca cca gcc tgg aac tgg acc tgc aag 191 301 Met Arg Lys Leu Phe Ser Phe Thr Pro Ala Trp Asn Trp Thr Cys Lys

DATE: 03/22/2001

FYI:

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

VERIFICATION SUMMARY

DATE: 03/22/2001

PATENT APPLICATION: US/09/691,763A

TIME: 16:22:01

Input Set : A:\E03557003NEW.TXT
Output Set: N:\CRF3\03222001\1691763A.raw

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L:581 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:23
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